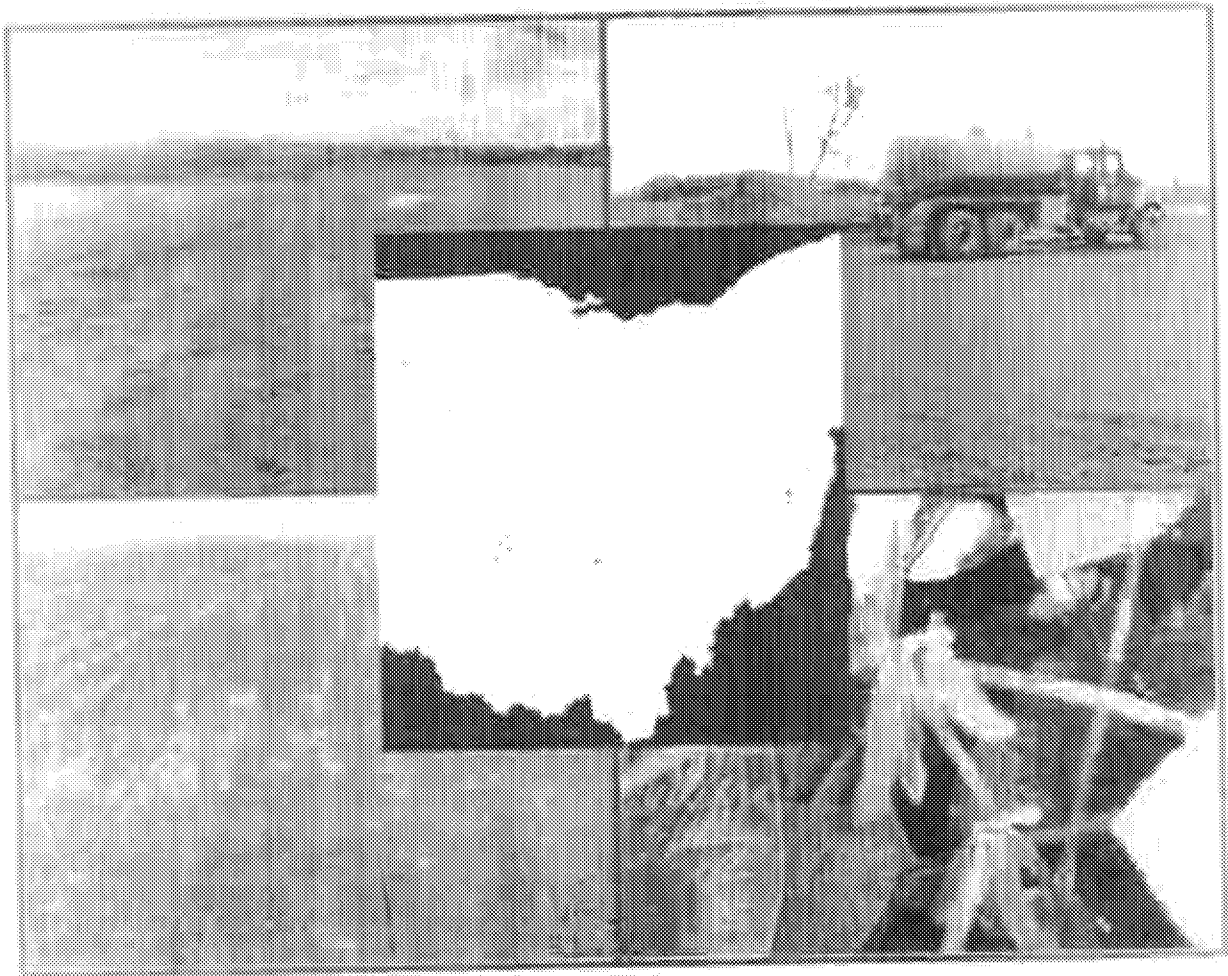




*John R. Kasich, Governor*  
*Mary Taylor, Lt. Governor*  
*Craig W. Butler, Director*

Division of Surface Water

## Application for Authorization: Class B Biosolids Beneficial Use Sites



Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites

Biosolids Treatment Works Information

|   |                       |                   |
|---|-----------------------|-------------------|
| Treatment works name: <u>Dove Tail Energy</u>   |                       |                   |
| Ohio NPDES permit #: <u>IN003054AD</u>          | County: <u>Greene</u> |                   |
| Mailing address: <u>PO Box 249</u>              |                       |                   |
| City: <u>Delaware</u>                           | State: <u>OHIO</u>    | Zip: <u>43015</u> |
| Operator of record: <u>W. Michael Oberfield</u> |                       |                   |
| Telephone number: <u>(419) 253-5300</u>         |                       |                   |
| Email address: <u>WMOberfield@gmail.com</u>     |                       |                   |

Certification Statement

1. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.
2. I have read and understand Chapter 3745-40 of the Ohio Administrative Code (OAC) and I agree to beneficially use biosolids in accordance with all applicable beneficial use requirements and restrictions established in Chapter 3745-40 of the Ohio Administrative Code.
3. I agree to only beneficially use biosolids that have satisfied a pathogen reduction alternative and a vector attraction reduction option and have metals concentration below the pollutant ceiling concentrations as established in Chapter 3745-40 of the Ohio Administrative Code.
4. I agree to maintain all applicable records established in Chapter 3745-40 of the Ohio Administrative Code.

W. Michael Oberfield  
Signature

06 / 09 / 2020  
Date

This form shall be signed by the operator of record for the treatment works, be an original signature, not a copy, and must be less than one year old at the time the application for transfer is submitted to Ohio EPA for review.

Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites  
submitted to Ohio EPA for review.

Ohio EPA Application for Authorization (8/15)

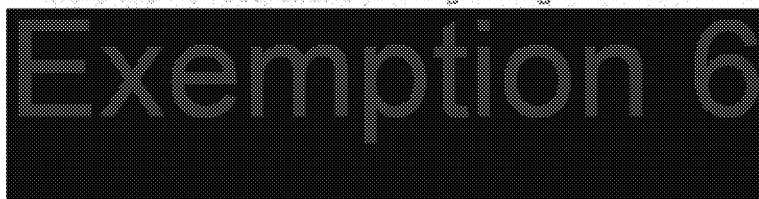
Form BUA-1  
Page 1 of 6

Owner Consent for Beneficial Use



Certification Statement

1. I agree to allow biosolids generated by the treatment plant identified on Form BUA-1 to be beneficially used on my property at agronomic rates.
2. I agree to allow federal, state and local regulatory staff access to the beneficial use site for the purposes of inspecting and authorizing the beneficial use site, beneficially using biosolids, and collecting and analyzing samples from the beneficial use site. I reserve the right to ask the above parties for proper identification at any time.
3. I certify that I am holder of legal title to the property described on application form BUA-5, or am authorized by the holder to give consent for the land application of biosolids, and that there are no restrictions to the granting of consent under this form.



5 1 27 2020  
Date

Original signatures, not copies, must be less than one year old at the time the application for transfer is submitted to Ohio EPA for review.

<sup>1</sup> For purposes of this form, "beneficial use site owner" means the person who owns the legal rights to the proposed beneficial use site.

<sup>2</sup> In the event the owner of the beneficial use site changes, Form BUA-2 must be revised and resubmitted to Ohio EPA.

Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites

Ohio EPA Application for Authorization (8/15)

Form BUA-2  
Page 2 of 6

Beneficial Use Site Operator Consent for Beneficial Use

Exemption 6

Certification Statement

I agree to be responsible for complying with all applicable beneficial use requirements established in Chapter 3745-40 of the Ohio Administrative Code.

Exemption 6

5 1 27 2020  
Date

Original signatures, not copies, must be less than one year old at the time the application for transfer is submitted to Ohio EPA for review.

<sup>1</sup> For purposes of this form, "beneficial use site operator" means the person who plants, grows, harvests or otherwise manages feed crops, fiber crops, food crops or pasture land on the proposed beneficial use site.

<sup>2</sup> In the event the operator of the beneficial use site changes, Form BUA-3 must be revised and resubmitted to Ohio EPA.

Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites

Beneficial User Information

Beneficial user Dove Tail Energy  
Contact person W. Michael Oberfield  
Mailing address: Po Box 249  
City Delaware State OHio Zip 43015  
Telephone number (419) 253 5300  
Email address (if available): WMOberfield@gmail.com

Certification Statement

I agree to be responsible for complying with all applicable beneficial use requirements established in Chapter 3745-40 of the Ohio Administrative Code.

W. Michael Oberfield  
Signature

06 / 09 / 2020  
Date

For purposes of this form, the "beneficial user" means the person who sprays or spreads Class B biosolids onto the surface of the beneficial use site, injects below the surface of the beneficial use site, or incorporates into the soil of the beneficial use site, for the purpose of providing an agronomic benefit.

Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites

**Beneficial Use Site Information**

|   |
|---|
| Ohio EPA Site I.D.<br>(Ohio EPA Use Only) |
|   |

| Field site I.D.: <u>LOR-01-01</u>   |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
|---|---|--|--------------------------|------------------|-------------------------------------|-----------------------|--------------------------|------------------|---|-------|------|---------|--|-----|------|--------|----------------------------------|-----|------|-----|---|-----|------|-----|---|-----|------|--|--|--|------|
| Beneficial use site location: <u>Russell RD, East of Harris Road</u>  |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| County: <u>Logan</u>  |   | Township: <u>DeGraff</u>   |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Latitude: <u>40.22862</u>   |   | Longitude: <u>-83.88487</u>  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Total acreage proposed for beneficial use: <u>96.2</u>  |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Type of beneficial use to be performed:<br><br>Surface application <input type="checkbox"/><br>Injection or immediate incorporation <input checked="" type="checkbox"/>   |   | Ground slope percent:<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Less than 15%</td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> <td style="padding: 2px;">15% to 19.9%</td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">Greater than 20%</td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td colspan="2"></td> </tr> </table> |                          | Less than 15%    | <input checked="" type="checkbox"/> | 15% to 19.9%          | <input type="checkbox"/> | Greater than 20% | <input type="checkbox"/>                              |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Less than 15%   | <input checked="" type="checkbox"/>                     | 15% to 19.9%   | <input type="checkbox"/> |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Greater than 20%  | <input type="checkbox"/>                                |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Soil pH (s.u): <u>6.8</u>   |   | Soil phosphorus (mg/kg): <u>31</u>   |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Bedrock depth (feet):   |   | Bray Kurtz P1 <input type="checkbox"/><br>Mehlich 3 <input checked="" type="checkbox"/>  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Type of crops to be grown: <table border="1" style="float: right; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Crop Type</th> <th style="padding: 5px;">Expected Yield</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Corn</td> <td style="text-align: center; padding: 5px;"><u>200</u></td> </tr> <tr> <td style="padding: 5px;">Soybeans</td> <td style="text-align: center; padding: 5px;"><u>70</u></td> </tr> <tr> <td style="padding: 5px;">Wheat</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Pasture</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Hay</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Other:</td> <td style="padding: 5px;"></td> </tr> </tbody> </table>   |   |  |                          | Crop Type        | Expected Yield                      | Corn                  | <u>200</u>               | Soybeans         | <u>70</u>   | Wheat |      | Pasture |  | Hay |      | Other: |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Crop Type   | Expected Yield  |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Corn  | <u>200</u>  |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Soybeans  | <u>70</u>   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Wheat   |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Pasture   |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Hay   |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| Other:  |   |  |                          |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| <b>Soil Types:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Soil Unit Symbol</th> <th style="padding: 5px;">Soil Unit Name</th> <th style="padding: 5px;">Hydrologic Soil Group</th> <th style="padding: 5px;">Flooding Frequency Class</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">BSA</td> <td style="padding: 5px;">Brookston silty clay loam, fine texture 0 to 2% slope</td> <td style="padding: 5px;">C/D</td> <td style="padding: 5px;">none</td> </tr> <tr> <td style="padding: 5px;">BSB</td> <td style="padding: 5px;">Brookston silty clay loam, 2 to 6% slope</td> <td style="padding: 5px;">C/D</td> <td style="padding: 5px;">none</td> </tr> <tr> <td style="padding: 5px;">CAB</td> <td style="padding: 5px;">Celina silt loam, 2 to 6% slopes</td> <td style="padding: 5px;">C/D</td> <td style="padding: 5px;">none</td> </tr> <tr> <td style="padding: 5px;">CFA</td> <td style="padding: 5px;">Crosby silt loam, southern all Till plain 0 to 2% slope</td> <td style="padding: 5px;">C/D</td> <td style="padding: 5px;">none</td> </tr> <tr> <td style="padding: 5px;">CFA</td> <td style="padding: 5px;">Crosby silt loam, southern all Till plain 2 to 6% slope</td> <td style="padding: 5px;">C/D</td> <td style="padding: 5px;">none</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">none</td> </tr> </tbody> </table> |   |  |                          | Soil Unit Symbol | Soil Unit Name                      | Hydrologic Soil Group | Flooding Frequency Class | BSA              | Brookston silty clay loam, fine texture 0 to 2% slope | C/D   | none | BSB     | Brookston silty clay loam, 2 to 6% slope | C/D | none | CAB    | Celina silt loam, 2 to 6% slopes | C/D | none | CFA | Crosby silt loam, southern all Till plain 0 to 2% slope | C/D | none | CFA | Crosby silt loam, southern all Till plain 2 to 6% slope | C/D | none |  |  |  | none |
| Soil Unit Symbol  | Soil Unit Name  | Hydrologic Soil Group  | Flooding Frequency Class |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| BSA   | Brookston silty clay loam, fine texture 0 to 2% slope   | C/D  | none                     |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| BSB   | Brookston silty clay loam, 2 to 6% slope                | C/D  | none                     |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| CAB   | Celina silt loam, 2 to 6% slopes                        | C/D  | none                     |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| CFA   | Crosby silt loam, southern all Till plain 0 to 2% slope | C/D  | none                     |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
| CFA   | Crosby silt loam, southern all Till plain 2 to 6% slope | C/D  | none                     |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |
|   |   |  | none                     |                  |                                     |                       |                          |                  |   |       |      |         |  |     |      |        |                                  |     |      |     |   |     |      |     |   |     |      |  |  |  |      |

Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites

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**Applicable isolation distances:**

| Type of Isolation Distance  |                                     |                               |                          |
|-----------------------------|-------------------------------------|-------------------------------|--------------------------|
| Surface waters of the state | <input type="checkbox"/>            | Sinkhole/UIC class V drainage | <input type="checkbox"/> |
| Occupied building           | <input checked="" type="checkbox"/> | Private potable water source  | <input type="checkbox"/> |
| Medical care facility       | <input type="checkbox"/>            |                               |                          |

**Are any endangered species or endangered species habitats located on the beneficial use site?**

☐ Yes ☒ No

If "Yes" is marked, list the types of endangered species or endangered species habitat:

|  |  |
|--|--|
|  |  |
|--|--|

**Have biosolids been beneficially used on the site since July 20, 1993?**

☐ Yes ☒ No

If "Yes" is marked, list the biosolids generators and years beneficial use occurred:

| Generator | NPDES permit No. | Year of Beneficial Use |
|-----------|------------------|------------------------|
|           |                  |                        |
|           |                  |                        |
|           |                  |                        |
|           |                  |                        |
|           |                  |                        |

**The application must also include all of the following:**

- ☐ A soil map of the proposed beneficial use site;
- ☐ A frequency flood class map of the proposed beneficial use site;
- ☐ An aerial map of the proposed beneficial use site that clearly identifies the entrance of the beneficial use site from the nearest road and all applicable isolation distances as established in Chapter 3745-40 of the Ohio Administrative Code;
- ☐ A vicinity road map at or near the township level that clearly identifies the proposed beneficial use site with all roads labeled; and
- ☐ A copy of the most recent soil test results identified in this form.

Division of Surface Water  
Application for Authorization: Class B Beneficial Use Sites

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